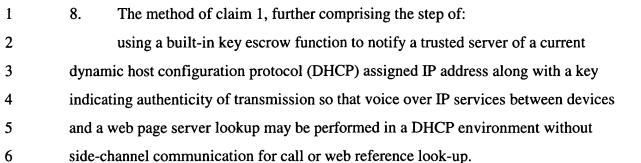
WHAT IS CLAIMED IS:

1	1. A method of integrating telephony function with security and guidance features		
2	on an Internet appliance comprising the steps of:		
3	selecting a communication access number using a selection means, said		
4	communication access number operable to access a communication link via said		
5	Internet appliance;		
6	alerting a user of said Internet appliance when an attempt is made to select said		
7	communication link via a dialing action of said Internet appliance using said		
8	communication access number; and		
9	receiving an authorization for said dialing action by said user of said Internet		
10	appliance.		
1	2. The method of claim 1 wherein said authorization comprises the sub steps of:		
2	prompting said user to enter a user personal identification means (PIM) in		
3	response to selecting said communication access number;		
4	initiating a pre-determined security protocol to retrieve a corresponding secure		
5	PIM for comparison;		
6	correlating said user personal identification means with said secure PIM;		
7	authorizing or rejecting said dialing action in response to said correlation;		
8	retrieving secure device driver code for executing said dialing action using said		
9	security protocol in response to said authorization;		
10	displaying, if said dialing action is authorized, a connectivity cost alert for said		
11	communication link; and		

12	executing said dialing action using said device driver code for said	
13	communication link in response to said authorization and a user response to said	.d
14	connectivity cost alert.	
1	3. The method of claim 1, further comprising the step of:	
2	using said security protocol for encrypting and decrypting information	
3	transmitted on said communication link in response to authorizing said dialing	action
4	for said communication link.	
1	4. The method of claim 1, wherein said security protocol is a Public/Privat	e key
2	encryption protocol.	
1	5. The method of claim 1, wherein said PIM is used to grant or block acce	ss to
2	certain area or country telephony codes.	
1	6. The method of claim 1, further comprising the step of:	
2	matching said communication access number with an actual system enter	ered
3	communication access number.	
1	7. The method of claim 1, further comprising the steps of:	
2	monitoring an incoming call for a caller ID; and	
3	answering and routing said incoming call to a receiving device on the ba	asis of

said incoming telephone number.



- 9. The method of claim 1, wherein activating said selected communication access number comprises selecting said communication access number from a displayed Internet web page hot spot.
- 10. The method of claim 1, wherein said communication access number is selected using an actual or virtual keypad of said Internet appliance.
 - 11. The method of claim 1, wherein said communication link comprises a non-concurrent shared dial-up public switched telephone network (PSTN) connection between a telephone connection and an Internet connection.
- 12. The method of claim 1, wherein said communication link has separate connections for an Internet connection and a telephone connection.
- 1 13. The method of claim 1, wherein said communication link comprises a concurrent communication link for an Internet and a telephone connection.

14.	A system for integrating telephony function with security and guidance features
on ar	n Internet appliance (IA):
	one or more personal identification means (PIM) input units coupled to a
syste	m bus in said ICA, said PIM input units operable to generate unique PIM signals;
	a security protocol circuit operable to encrypt, decrypt, store and retrieve said
PIM	signals and device driver code;
	a PIM verification circuit operable to receive said PIM signals and compare
them	to secure predetermined PIM signals, said PIM verification circuit generating a
verif	ication signal;
	one or more Modems coupled to a dialing action controller and to
com	nunication lines; said Modems operable to send and receive communication data;
and	
	a dialing action controller (DAC) coupled to said system bus and said Modems,
said]	DAC operable receive a dialing action request and to alert a user of said dialing
actio	n and to enable or disable said dialing action to said Modems in response to said
verification signal and a user signal.	
15.	The system of claim 13, wherein said authorization unit comprises:
	a smart card reader;
	a biometric input unit;
	a personal identification number input unit; and
	a voice recognition input unit,
16.	The system of claim 13, wherein said Modem comprises:
	a digital subscriber line (DSL) Modem;
	on an system of them weriff command said action weriff.

1	17.	The system of claim 13, wherein said Modem comprises:
2		a wireless cellular modem;
1	18.	The system of claim 13, wherein said Modem comprises:
2		a wireless personal communication system (PCS) modem;
1	19.	The system of claim 13, wherein said Modem comprises:
2		a cable Modem.
1	20.	The system of claim 13, wherein said Modem comprises a public subscriber
2	telephone network (PSTN) Modem.	
1	21.	The system of claim 13, wherein said DAC alerts said user of a dialing action
2	by disp	olay on a user display screen coupled to said IA.
1	22.	The system of claim 13, wherein said DAC retrieves a connectivity cost and
2	alerts said user of a connectivity cost associated with a requested dialing action if said	
3	dialing action is authorized.	
1	23.	The system of claim 13, wherein said user signal is a response by said user to
2	said co	onnectivity cost alert for said dialing action.
1	24.	The system of claim 13, wherein said user is given an option of communicating
2	on an e	established communication link in response to an authorized and enabled dialing
3	action	using said security protocol.

25. The system of claim 13, wherein said DAC uses a built-in key escrow function		
to notify a trusted server of a current dynamic host configuration protocol (DHCP)		
assigned IP address along with a key indicating authenticity of transmission so that		
voice over IP services between devices and a web page server lookup may be		
performed in a DHCP environment without side-channel communication for call or		
web reference look-up.		

- 26. The system of claim 13, wherein said dialing action request comprises: entering a communication access number via a keyboard keypad, a virtual display keypad, or by clicking a "hot spot" on a Web page.
- 27. The system of claim 13, wherein said connectivity cost alert notifies a user of an actual toll call cost for a communication link corresponding to said authorized and enabled dialing action.
- 28. The system of claim 13, wherein said user is alerted of said dialing action whether said dialing action was initiated locally or remote by another user.
- 29. The system of claim 13, wherein DAC monitors incoming communication access numbers and directs communication to a answering or recording device or forwards the communication to another communication link in response to comparing said incoming communication access numbers to a predetermined, stored communication access numbers list.

1	30.	An Internet appliance, comprising:
2		a central processing unit (CPU);
3		a read only memory (ROM);
4		a random access memory (RAM);
5		a user interface adapter coupled to a keyboard and a mouse;
6		a display interface adapter coupled to a user display;
7		an I/O interface adapter;
8		a system bus;
9		a communication adapter; and
10		a security processor unit,
11		said security processor unit further comprising:
12		one or more personal identification means (PIM) input units coupled to
13		a system bus in said ICA, said PIM input units operable to generate
14		unique PIM signals;
15		a security protocol circuit operable to encrypt, decrypt, store and
16		retrieve said PIM signals and device driver code;
17		a PIM verification circuit, said PIM verification circuit operable to
18		receive said PIM signals and compare them to secure predetermined
19		PIM signals, said PIM verification circuit generating a verification
20		signal;
21		one or more Modems coupled to a dialing action controller and to
22		communication lines, said Modems operable to send and receive
23		communication data; and
24		a dialing action controller (DAC) coupled to said system bus and said
25		Modems, said DAC operable receive a dialing action request and to
26		alert a user of said dialing action and to enable or disable said dialing

27		action to said Modems in response to said verification signal and a use
28		signal.
1	31.	The Internet appliance of claim 29, wherein said PIM input unit comprises:
2		a smart card reader;
3		a biometric input unit;
4		a personal identification number input unit; and
5		a voice recognition input unit
1	32.	The Internet appliance of claim 29, wherein said Modem comprises:
2		a digital subscriber line (DSL) Modem.
1	33.	The Internet appliance of claim 29, wherein said Modem comprises:
2		a wireless cellular modem.
1	34.	The Internet appliance of claim 29, wherein said Modem comprises:
2		a wireless personal communication system (PCS) modem.
1	35.	The Internet appliance of claim 29, wherein said Modem comprises
2		a cable Modem.
1	36.	The Internet appliance of claim 29, wherein said Modem comprises a public
2	subsc	riber telephone network (PSTN) Modem.
1	37.	The Internet appliance of claim 29, wherein said DAC alerts said user of a
2	dialin	g action by display on a user display screen coupled to said IA.

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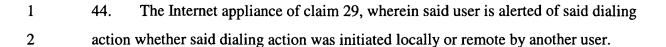
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1	38.	The Internet appliance of claim 29, wherein said DAC retrieves a connectivity
2	cost an	d alerts said user of a connectivity cost associated with a requested dialing
3	action	if said dialing action is authorized.

- 1 39. The Internet appliance of claim 29, wherein said user signal is a response by said user to said connectivity cost alert for said dialing action.
- 1 40. The Internet appliance of claim 29, wherein said user is given an option of 2 communicating on an established communication link in response to an authorized and 3 enabled dialing action using data encryption.
 - 41. The Internet appliance of claim 29, wherein said DAC uses a built-in key escrow function to notify a trusted server of a current dynamic host configuration protocol (DHCP) assigned IP address along with a key indicating authenticity of transmission so that voice over IP services between devices and a web page server lookup may be performed in a DHCP environment without side-channel communication for call or web reference look-up.
 - 42. The Internet appliance of claim 29, wherein said dialing action request comprises:
 - entering a communication access number via a keyboard keypad, a virtual display keypad, or by clicking a "hot spot" on a Web page.
 - 43. The Internet appliance of claim 29, wherein said connectivity cost alert notifies a user of an actual toll call cost for a communication link corresponding to said authorized and enabled dialing action.



45. The Internet appliance of claim 29, wherein DAC monitors incoming communication access numbers and directs communication to a answering or recording device or forwards the communication to another communication link in response to comparing said incoming communication access numbers to a predetermined, stored communication access numbers list.